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1 [Design for verification for asynchronously communicating Web services](#)

Aysu Beilin-Can, Tevlik Bultan, Xiang Fu

May 2005 **WWW '05: Proceedings of the 14th international conference on World Wide Web**
Publisher: ACM

Full text available: Pdf (149.82 KB) **Additional Information:** full citation, abstract, references, cited by terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 82, Citation Count: 5

We present a design for verification approach to developing reliable web services. We focus on composite web services which consist of asynchronously communicating peers. Our goal is to automatically verify properties of interactions among such peers. ...

Keywords: BPEL, asynchronous communication, composite web services, design patterns

2 [Astrolabe: A robust and scalable technology for distributed system monitoring, management, and data mining](#)

Robert Van Renesse, Kenneth P. Birman, Werner Vogels

May 2003 **Transactions on Computer Systems (TOCS)**, Volume 21 Issue 2

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (341.62 KB) **Additional Information:** full citation, abstract, references, cited by terms

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 368, Citation Count: 80

Scalable management and self-organizational capabilities are emerging as central requirements for a generation of large-scale, highly dynamic, distributed applications. We have developed an entirely new distributed information management system called Astrolabe. ...

Keywords: Aggregation, epidemic protocols, failure detection, gossip, membership publish-subscribe, scalability

3 [LIME: A coordination model and middleware supporting mobility of hosts and applications](#)

Amy L. Murphy, Gian Pietro Picco, Grigori Catalan Roman

July 2006 **Transactions on Software Engineering and Methodology (TOSEM)**, Volume 15 Issue 3

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (1.24 MB) **Additional Information:** full citation, abstract, references, cited by terms

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 187, Citation Count: 22

LIME (Linda in a mobile environment) is a model and middleware supporting the

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development of applications that exhibit the physical mobility of hosts, logical mobility agents, or both. LIME adopts a coordination perspective inspired by work on the ...

Keywords: Mobile computing, middleware, tuple spaces

- 4 [Developing adaptive groupware applications using a mobile component framework](#)
Radu Litiu, Atul Parakash



December 2000 **CSCW '00: Proceedings of the 2000 ACM conference on Computer supported cooperative work**

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (168.38 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 56, Citation Count: 20

A need exists to develop groupware systems that adapt to available resources and support user mobility. This paper presents DACIA, a system that provides mechanisms for building such groupware applications. Using DACIA, components of a groupware application ...

- 5 [Properties and mechanisms of self-organizing MANET and P2P systems](#)



Bartosz Biskupski, Jim Dowling, Jan Sacha

March 2007 **Transactions on Autonomous and Adaptive Systems (TAAS)**, Volume 1

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (251.02 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 355, Citation Count: 2

Despite the recent appearance of self-organizing distributed systems for Mobile Ad Networks (MANETs) and Peer-to-Peer (P2P) networks, specific theoretical aspects concerning their properties and the mechanisms used to establish those properties have ...

Keywords: Adaptive systems, Complex systems, MANET, Self-organisation, peer-to-peer

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